



SAN DIEGO COUNTY INDIAN GAMING LOCAL COMMUNITY BENEFIT COMMITTEE

Application Form For FY 2011-2012 Grants

- A. Name of Jurisdiction: San Diego County Fire Authority
- B. Mailing Address of Jurisdiction: SDCFA
8525 Gibbs Drive, Ste. 201
San Diego, CA 92123
- C. Name of Project: Implementing Automatic Vehicle Locator (AVL) and Computer Aided Dispatch (CAD)
- D. Impacts are associated with which casino(s)? Barona Valley Ranch Resort and Casino, Sycuan Resort and Casino plus all others due to mutual aid agreements and response.
- E. The following uses are the priorities for receipt of grant money.
Please check all the priorities the project satisfies:

Law Enforcement	Fire Services <input checked="" type="checkbox"/>	Emergency Medical Services <input checked="" type="checkbox"/>
Environmental Impacts	Water Supplies	Waste Disposal
Behavioral Health	Public Health	Planning and Adjacent Land Uses
Roads	Recreation and Youth Programs	Child Care Programs

- F. On a separate sheet, please provide the following:
- 1) A complete description of the project;
 - 2) Evidence showing the relationship between the project and impacts on your jurisdiction associated with the particular casino(s) listed under "D" above, and data linking the percentage of the requested funding to the percentage of impacts associated with particular casinos (include the data source); and
 - 3) An explanation of how the proposed project will mitigate impacts of casino(s).
- G. Type of grant for which you are applying: (Check each that applies)
1. **60% Nexus Grant (note that only County of San Diego Offices and Departments are eligible for this type of grant)¹** X
 2. **20% Non-Nexus Grant** X

These "20% Non-Nexus Grants" are intended only for local jurisdictions (County, cities and special districts) impacted by Barona and/or Sycuan Casinos.
 3. **20% Non-Nexus Grant** X

These "20% Non-Nexus Grants" are intended for local jurisdictions (County, cities and special districts) impacted by casinos of Tribes NOT paying into the Special Distribution Fund² and for assistance to local jurisdictions for one-time large capital projects.
- H. What is the project's estimated time frame? 11-12 months
- I. Proportionate share of the project expenditure that mitigates the impact from the casino(s): 8-10%
- J. Amount of funding requested through this application: \$456,936
- K. What will be the total cost of the project? \$2,300,000
- L. If total cost of the project exceeds amount of funding requested, please name other sources of funding that will be contributed to the project and the amount provided by each source: Cal Fire and/or County general funds

¹ County of San Diego is the only "local government jurisdiction" that meets two or more nexus criteria.

² Campo, La Jolla (proposed), La Posta, Pala, Pauma, Rincón, San Pasqual, Santa Ysabel and Viejas Bands.

- M. On a separate sheet, please describe how you intend to meet the requirement that grant recipients must provide notice to the public, either through a slogan, signage or other mechanism, which states that the project has received funding from the Indian Gaming Special Distribution Fund and further identifies the particular Individual Tribal Casino Account from which the grant derives.


Please e-mail the complete Application to Eric.Lardy@sdcounty.ca.gov AND hand-deliver or mail a copy with the page containing the original Authorized Signature to the following address **by March 16, 2012**.

County of San Diego
Attn. Mr. Eric Lardy
1600 Pacific Highway
Room 212, MS A6
San Diego, CA 92101

I, HERMAN REDDICK, hereby acknowledge that the grant funds requested herein shall be used solely for the purpose that to the best of my knowledge mitigates impacts from casino projects. In compliance with AB 158, I agree to ensure that all grant funds received shall be deposited in a separate interest-bearing account; and at the completion of the project, I agree to return any earned interest or cost savings from the project to the County for reallocation by the Indian Gaming Local Community Benefit Committee.

Submitted by: Herman Reddick
(Print name)

Title: Group Program Manager



Date: 3/15/2012

(Authorized Signature)

CONTACT PERSON: Name: Marisa Balmer

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Fax: 858-467-9662

E-mail Address: Marisa.balmer@sdcounty.ca.gov

F. (1). Project Description: Automatic Vehicle Location (AVL) and Computer Aided Dispatch (CAD)

The County Fire Authority (CFA) also known as CSA 135, in cooperation with partner contracting agencies i.e. CAL FIRE would like to implement a strategy to address the need for resource optimization using Automated Vehicle Location (AVL) and Computer Aided Dispatching (CAD) technologies. Currently, the CAL FIRE Monte Vista ECC Dispatch Center (ECC) participates in the Regional CAD Interoperability Project (RCIP) that allows dispatch operators to view available resources and their location on a map within a CAD system. Vehicle locations are updated in near-real time so that dispatchers can assign the closest resources to an incident. However, the resources that operate from ECC are not equipped with the hardware and software necessary to provide vehicle location information. As a result, none of the RCIP participants can view or dispatch ECC resources using GIS within their CAD systems. The CFA seeks to remedy this situation.

The implementation of an AVL solution will provide many benefits to County of San Diego and the Indian Gaming communities in the following manner:

- The technology will allow partner agencies to share and deploy emergency resources more quickly and readily. The location of available resources can be easily seen on a map and selected for dispatch, or redirected as the event changes
- The technology will provide a more seamless allocation of resources based on the size, scope and locality of the emergency and not on agency boundaries. For example, the CAD system can calculate the distance of the closest appropriate resources and suggest the optimum allocation to the dispatcher
- The ability to deploy emergency resources more quickly directly translates into decreased response time and an increased likelihood of a positive outcome

The graphic below illustrates how the proposed solution will add to the effectiveness of emergency response. The graph on the left shows a typical GIS map page. The graphic on the right shows available emergency vehicles on the same map. Dispatchers will have the ability to "hover" over an available resource to glean information about the resource. Similarly, the CAD system can calculate

resources and their distance to an event and suggest an optimum allocation to dispatch.



No AVL

VS.



With AVL - Red dots are emergency vehicles

Knowing where your Emergency Responders are is a fundamental game changer

The planned AVL system will consist of the following components:

- A T-1 Line for the ECC facility
- Database and application servers for the GPS/Geospatial software (that will integrate with the current Northrop Grumman Command Point CAD system) and NetMotion (for persistent connectivity)
- Mobile gateways (including a GPS transponder) and air cards for 200 vehicles
- GST Tracker, Server and Viewer applications
- Four (4) 24" monitors for the ECC Dispatch center

A similar AVL solution is currently in use in Riverside County. The CFA seeks to mirror this proven and reliable solution.

(2). Evidence showing relationship between project and impacts on CFA members and tribal casinos

Today, there is a regional impact throughout the County Fire Authority (CFA) partner agencies that includes CAL FIRE, Fire Protection Districts and volunteer fire departments. In 2008, an analysis identified that 8-10% of the emergency incidents of certain affected CFA partners was to casinos or tribal reservations. This interdependency of the firefighter workforce is evident from the moment the call comes into the dispatch center. In 2010, the Ramona MWD Fire Department responded to the Barona reservation or casino for a total of 76 times. In other areas, CFA partners have responded to the Santa Ysabel casino and Reservation 25 times, which is 9% of the Intermountain VFC incidents.

A table is provided that reflects a more global impact on the fire service in 2011. The range of percentages of casino impacts starts with a 4% impact to the Campo CAL FIRE Station to a high of 31.3% at the Valley Center Fire Protection District Station. Similarly, the impact of reservation community fire and emergency medical services needs also varies from a low impact of .05% at the Los Coyotes Reservation to a high impact of 24.9% at the Campo Reservation. The combined casino and the reservation impacts to CFA partner fire stations also varies by community. The Los Coyotes Reservation remains with the lowest impact of .5%, while the Valley Center Fire Protection District remains the highest department impacted at 47.1%. Valley Center is affected to a higher degree than other stations because it provides a regional ambulance service to fire district and county service area residents, as well as specific tribal citizens. These percentages are summarized on a separate table in a different manner that reflects that CFA partner agencies responded to casinos 406 times with combined resources. These same CFA resources were dispatched to 616 reservation emergencies. All of these responses were made most willingly within the mutual aid system shared by public and tribal fire services alike.

With the AVLs installed on the fire apparatus, dispatchers have the ability to see the closest vehicle to the incident location. This will optimize the "closest resource" response when every minute is critical to reducing the loss of life.

3). The approval to support purchasing the planned AVL necessary for a major or minor incident will help mitigate the impacts of the mentioned casinos by minimizing costs to the CFA, decrease response times to casino emergencies and ensure the safety of all first responders and residents.

M. Method to "Notice" the public where funding was received for projects. The County Fire Authority intends to provide a news release about the grant award, and post the grant award on the CAL FIRE Website and County Fire Authority Website.

Agency	Total Incidents (SDCFA and CAL FIRE)	Impact on Agency of Responses to CASINO		Impact on Agency of Responses to RESERVATION		Total Impact of Responses to Casino OR Reservation		Primary Reservation to which Agency Responded
		Number of Responses	Percentage of Agency's Total Responses	Number of Responses	Percentage of Agency's Total Responses	Number of Responses	Percentage of Agency's Total Responses	
Boulevard VFC	252	11	4.4%	57	22.6%	68	27.0%	Campo Reservation
Intermountain VFC	265	15	5.7%	58	21.9%	73	27.5%	Mesa Grande Reservation
Campo VFC	229	11	4.8%	57	24.9%	68	29.7%	Campo Reservation
Ramona MWD *	837	17	2.0%	42	5.0%	59	7.0%	Barona Reservation
Yuima/Rincon - Cal Fire	561	139	24.8%	101	18.0%	240	42.8%	Rincon Reservation
Miller - Cal Fire	385	26	6.8%	76	19.7%	102	26.5%	Pauma Reservation
Warner Springs VFC	229	0	0.0%	137	59.8%	137	59.8%	Los Coyotes Reservation and Santa Ysabel Reservation
Flinn Springs	231	0	0.0%	38	16.5%	38	16.5%	Capitan Grande Reservation
Montevista HQ - Cal Fire	759	3	0.4%	2	0.3%	5	0.7%	Sycuan Reservation
Warner Springs (Los Coyotes) VFC	113	0	0.0%	6	5.3%	6	5.3%	Los Coyotes Reservation and Santa Ysabel Reservation
Warner Springs - Cal Fire	68	2	2.9%	5	7.4%	7	10.3%	Los Coyotes Reservation and Santa Ysabel Reservation
Valley Center FPD Station 72 **	596	187	31.4%	94	15.8%	281	47.1%	San Pasqual Reservation
Valley Center FPD Station 73 **	595	139	23.4%	101	17.0%	240	40.3%	Rincon Reservation
Valley Center - Cal Fire	520	0	0.0%	5	1.0%	5	1.0%	Rincon Reservation and Pala Reservation
Yuima/Rincon (La Jolla) - Cal Fire	561	0	0.0%	114	20.3%	114	20.3%	La Jolla Reservation
White Star - Cal Fire	342	6	1.8%	26	7.6%	32	9.4%	Campo Reservation
Campo - Cal Fire	554	1	0.2%	9	1.6%	10	1.8%	Campo Reservation
Witch Creek - Cal Fire	295	5	1.7%	7	2.4%	12	4.1%	Santa Ysabel Reservation
TOTAL	7,392	562	7.6%	935	12.6%	1,497	20.3%	

* 1/3 of total Ramona MWD responses (2,512) estimated for Station 81 San Diego County Estates

** Total Valley Center incidents (1,191) divided between 2 Valley Center stations

Summary base on CAL FIRE Monte Vista dispatch data

Reservation	Number of Agency Responses to CASINO Incidents	Number of Agency Responses to RESERVATION Incidents	Number of Agency Responses to Casino OR Reservation Incidents
Barona Reservation	17	42	59
Campo Reservation	11	57	68
Capitan Grande Reservation	0	35	35
Sycuan Reservation	3	2	5
La Jolla Reservation	0	137	137
Mesa Grande Reservation	0	21	21
Pala Reservation	26	76	102
Pauma Reservation	8	8	16
Rincon Reservation	139	101	240
Santa Ysabel Reservation	15	37	52
San Pasqual Reservation	187	94	281
Los Coyotes Reservation	0	6	6
Total	406	616	1022

Initial Attack Incidents Dispatched by Cal Fire	
Agency	Incidents
Boulevard VFC	252
Campo Reservation	310
Campo VFC	229
Intermountain VFC	265
Mesa Grande Reservation	11
Cal Fire	1,072
Pala Reservation	586
Pauma Reservation	123
Ramona MWD *	2,512
Rincon	459
Rincon Reservation	91
San Pasqual Reservation	353
Sycuan Reservation	144
Valley Center FPD Station 72	596
Valley Center FPD Station 73	594
TOTAL	7,597

Total Reservation/Casino Incidents 7,597
Total Cal Fire-Dispatched Incidents 14,847

Initial Attack Incidents Dispatched by Cal Fire	
Cal Fire Responses (Multiple Stations Frequently Respond to Each Incident)	
Incident	Incidents
Campo - Cal Fire	554
Witch Creek - Cal Fire	295
White Star - Cal Fire	342
Yuima/Rincon - Cal Fire	561
Valley Center - Cal Fire	520
TOTAL	2,272

Reservation	Number of Agency Responses to CASINO Incidents	Number of Agency Responses to RESERVATION Incidents	Number of Agency Responses to Casino OR Reservation Incidents
Barona Reservation	17	42	59
Campo Reservation	11	57	68
Capitan Grande Reservation	0	35	35
Sycuan Reservation	3	2	5
La Jolla Reservation	0	137	137
Mesa Grande Reservation	0	21	21
Pala Reservation	26	76	102
Pauma Reservation	8	8	16
Rincon Reservation	139	101	240
Santa Ysabel Reservation	15	37	52
San Pasqual Reservation	187	94	281
Los Coyotes Reservation	0	6	6
Total	406	616	1022

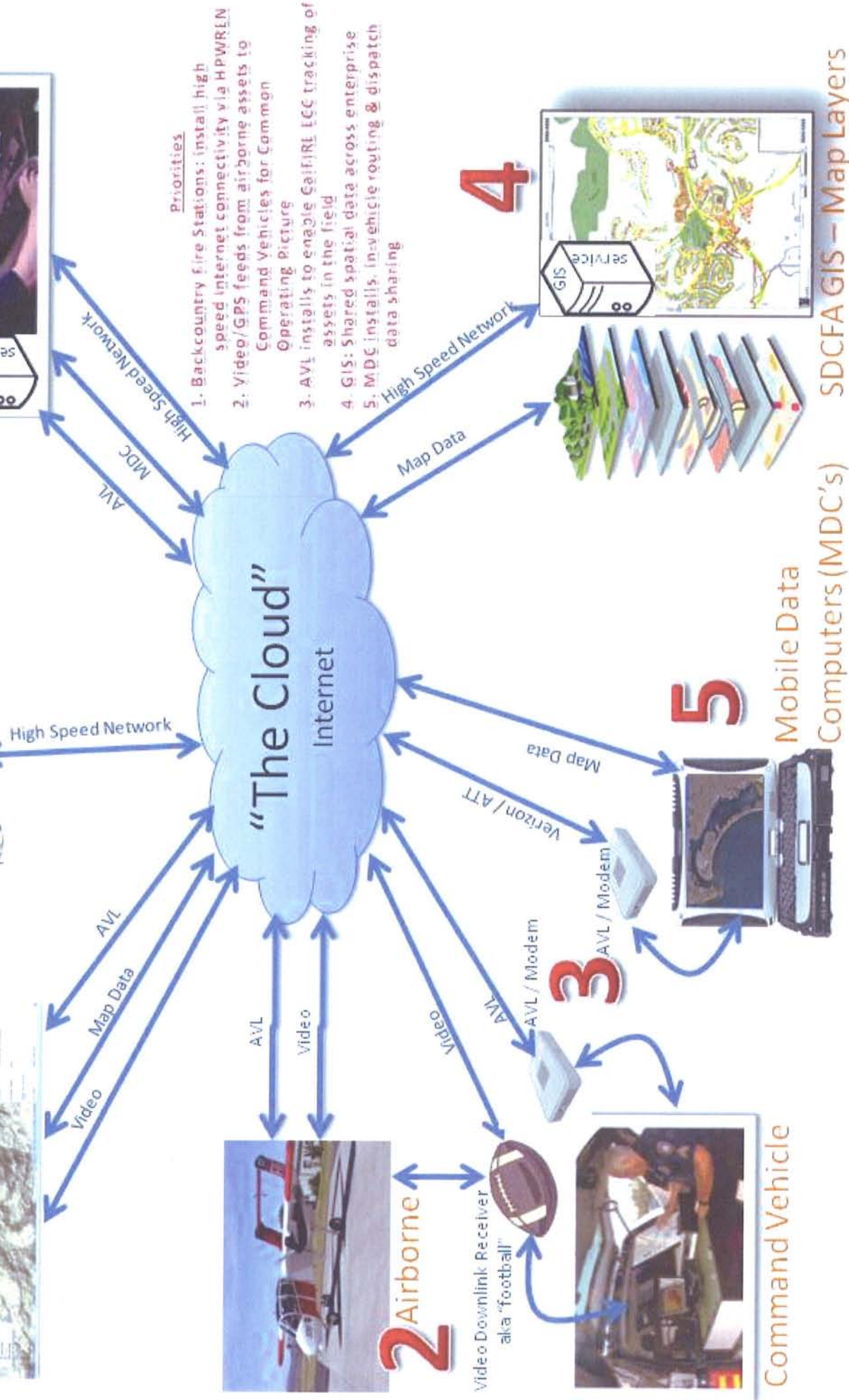
AVL Items- One Time- First Year	Cal Fire			
	Each	Qty	Qty Total	\$ Total
Database Server for GST App (SQL)	\$ 16,260.00	1	1	\$ 16,260.00
Server for NetMotion	\$ 18,000.00	1	1	\$ 18,000.00
Server for GST Admin	\$ 6,000.00	1	1	\$ 6,000.00
Install T-1 Line for ECC	\$ 2,000.00	1	1	\$ 2,000.00
24" Monitors	\$ 500.00	4	4	\$ 2,000.00
GST Tracker (400 units)	\$ 90.00	400	400	\$ 36,000.00
GST Sever Implementation	\$ 6,000.00	1	1	\$ 6,000.00
GST Viewer (6 seats)	\$ 2,000.00	6	6	\$ 12,000.00
GST Mapper Software (Client)	\$ 650.00	150	150	\$ 97,500.00
Air Cards (Monthly cost X 12))	\$ 37.99	200	200	\$ 91,176.00
Vehicle- Mobile Gateway (Airlink Pinpoint X)	\$ 850.00	200	200	\$ 170,000.00
				\$ 456,936.00

N.I.C.S.



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CalFIRE ECC



Priorities

1. Backcountry Fire Stations: install high speed internet connectivity via HPWREN
2. Video/GPS feeds from airborne assets to Command Vehicles for Common Operating Picture
3. AVL installs to enable CalFIRE ECC tracking of assets in the field
4. GIS: Shared spatial data across enterprise
5. MDC installs, in-vehicle routing & dispatch data sharing

SDCFA GIS - Map Layers

Mobile Data Computers (MDC's)

Command Vehicle